IMPORTANT: Pack carefully in original package if possible. We are not responsible for damage incurred in returning items for repair. A letter stating your exact street address, daytime phone number, and the problem you are experiencing should be included. You must also enclose a copy of the original receipt & sproof of date of purchase

PYLE® SPORTS

"Recreational Gear For The Great Outdoors"

Brooklyn, NY 11204
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Art No.: PYLE_SPORTS-PGSPW1

PYLE® SPORTS

GPS

GPS SPEEDOMETER

Speedometer powered by GPS with PC inter-face

PGSPW1

INSTRUCTION MANUAL

www.pyleaudio.com

RANGE OF APPLICATION

The GPS device is a navigation system. By using the 24 satellite network circling the earth, the position of user can be determined. This is possible at any time and everywhere in the world.

- The GPS device is designed for use as a global positioning system.
- The GPS device serves mainly for the measurement of distances, speed, altitude and navigation by using the US-American 24 satellite network.
- The device is not usable for demanding applications such as paragliding, sky diving or soaring.
- The GPS device is designed for private use and not suitable for commercial use.

A use different other than described in this instruction manual is not advisable and can lead to damage or injury. We assume no liability for damages resulting from improper use.
Further directions and explanations can be found in the instruction manual.

GPS Reception

To use the GPS function of your GPS device optimally, it is imperative that the following instructions are followed.
The GPS device is a global positioning system (=GPS), which mainly serves for the measurement of distances, speed, altitude and navigation by using the US-American 24 satellite network.
The United States of America operates this 24 satellite network and is responsible for its accuracy and maintenance.

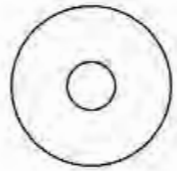
Only during **clear weather** (clear sky) and suitable reception area - **open area and clear view of the sky** – can a faultless satellite reception be ensured.

Since satellite signals react very sensitively to outside influences, bad weather conditions (such as strong snowfall) as well as a disturbed reception area (GPS device is covered by clothing or other objects, high buildings or narrow valleys and gorges prevent reception) can seriously impair the performance and accuracy of the GPS device.
The GPS reception in buildings is very reduced or impossible. Near windows, as well as in rooms with large windows and free sight of the sky, the position can be determined in certain circumstances, depending on the current position of the satellites. In closed rooms and in cellars the GPS reception is practically always impossible.

ACCESSORIES

Mounting Shoe

USB Clip

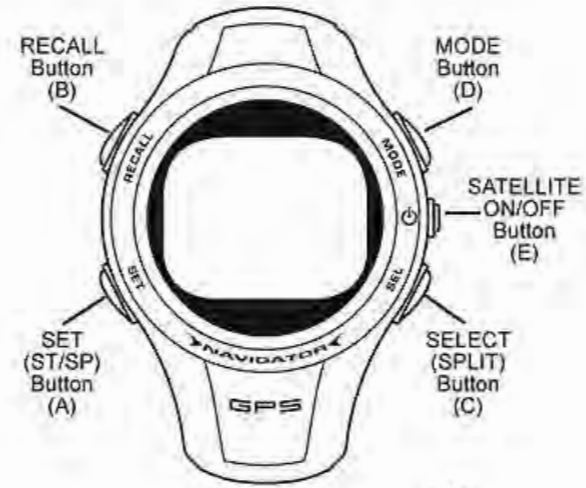


Installation CD

battery
(3V / CR2032)

Chest Belt

FUNCTION BUTTONS OF THE GPS DEVICE

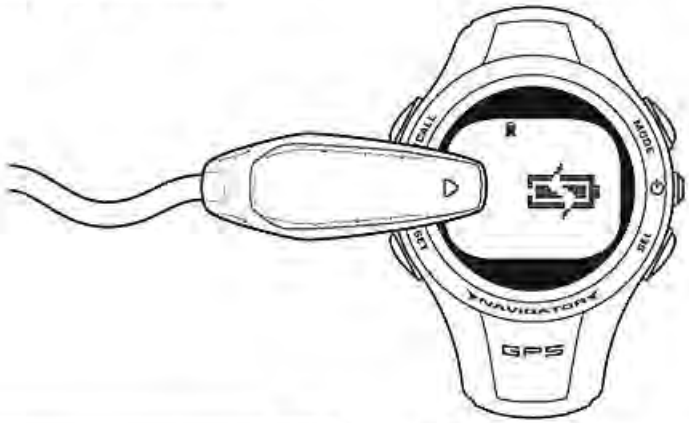


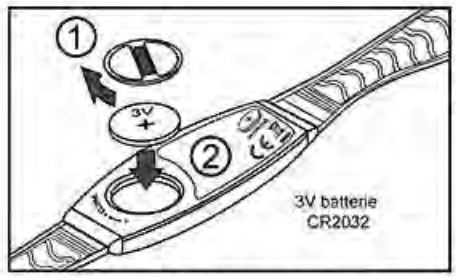
CLEANING AND MAINTENANCE

- Clean the GPS device only with a soft, moist, lint free cloth.
- Do not use solvents, acidic or gaseous cleaning agents.
- Take care not to leave any water drops on the display of the GPS device. Water can cause permanent discolorations.
- Do not expose the display to bright sunlight nor to ultraviolet radiation.
- On the display of the GPS device is a transparent protective film.
  You can remove this or leave it on the display to protect it from scratching.

Please take care that the GPS device has a clear view of the sky to ensure a faultless reception of the signals. Otherwise limitation of the performaace and the accuracy could result. Take care that the GPS device is not covered by clothing...
The reception could be distinctly reduced by this. You can read more about GPS reception in item **"GPS Reception"**

Recharging the watch
At the back of the watch there are four contacts. Clip the connecting cable (As shown in fig.1) to the watch case with the four pins on the cable matching the four contact on the case back. Plug the cable to the computer
Charging time is about 3 hours.



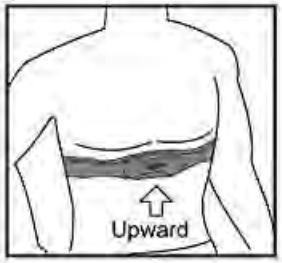


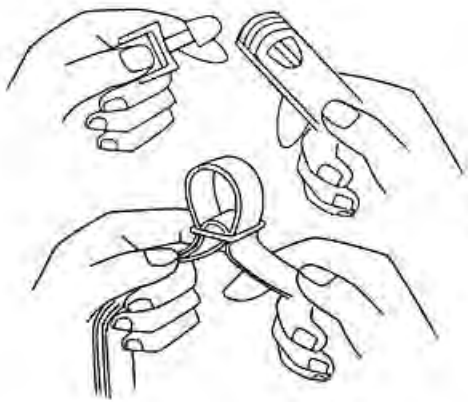
Transmitter Belt
Remove the battery cover from the bottom of the belt using a small coin. Install the 3V battery with the positive(+) pole facing the battery cover and replace the cover.

Do not disposed off batteries with the household waste

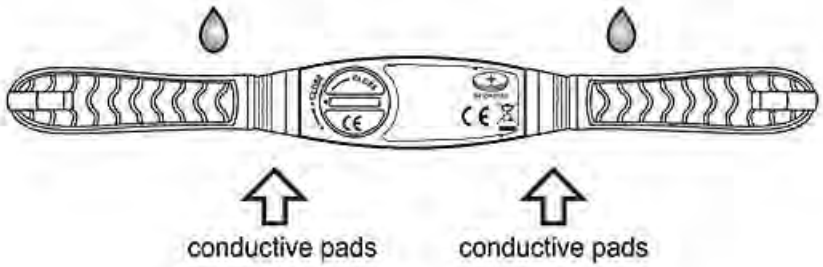
WEARING THE TRANSMITTER BELT

Adjust the elastic belt so that it fits tightly around your chest just below the pectoral muscles. Moisten the transmitter's conductive pads with saliva or ECG-gel (available at your local chemist's) in order to ensure a good contact with the skin at all times.





Positioning the Transmitter Belt upward as per diagram.



GPS RECEPTION

Tip:
Hold the GPS still for a few minutes in an open area before you start your journey or drive in an open area with free sight of the sky and switch it on, press and hold the **SATELLITE ON/ OFF for about 3 seconds.**

Switch on the GPS device:
Hold the **SATELLITE ON / OFF** for about 3 seconds.
Switch off the GPS device:
Hold the **SATELLITE ON / OFF** for about 3 seconds.

The GPS device automatically starts to search for a GPS signal, visible by the blinking satellite symbol in the top left of the display.

Please note that it can take up to 15 minutes from the first start in new surroundings until the first satellite reception occurs. Then the satellite symbol appears permanently on the display. The more "waves" are displayed around the satellite symbol, the better the reception:

Weak reception

Good reception

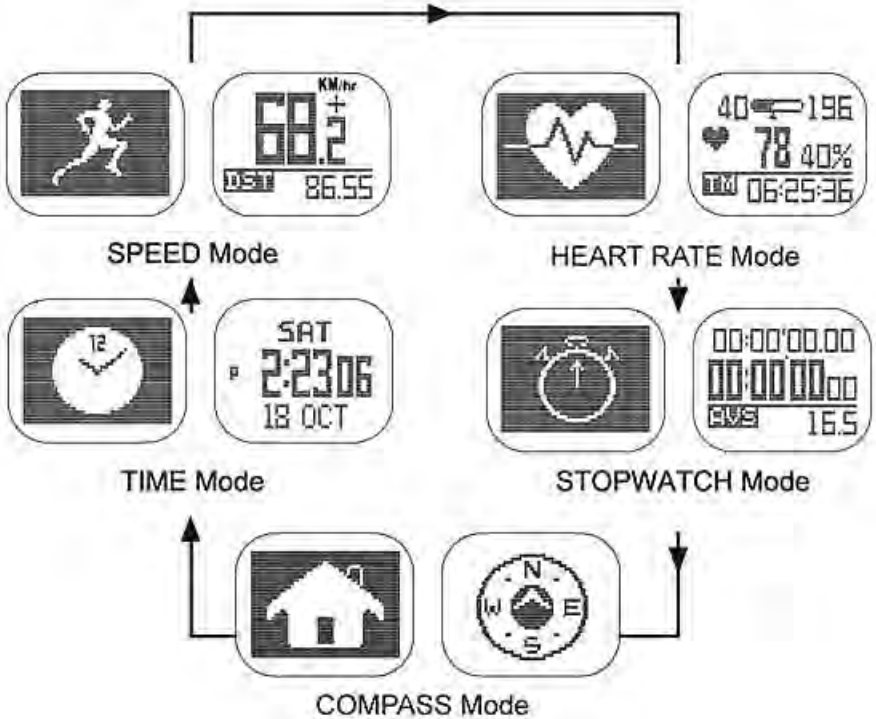
Very good reception

Best possible reception

If the GPS device has not received a Satellite signal in 30 minutes. GPS automatically switches off. By holding the SATELLITE ON/OFF button for 3 seconds, the search for GPS signal start again.

TO TURN ON AND DISPLAY DIFFERENT MODE

1. Press and hold **SATELLITE ON / OFF** button for 3 seconds to turn on the GPS device.
2. Press **MODE** button to switch between different mode.



TIME MODE

Time setting

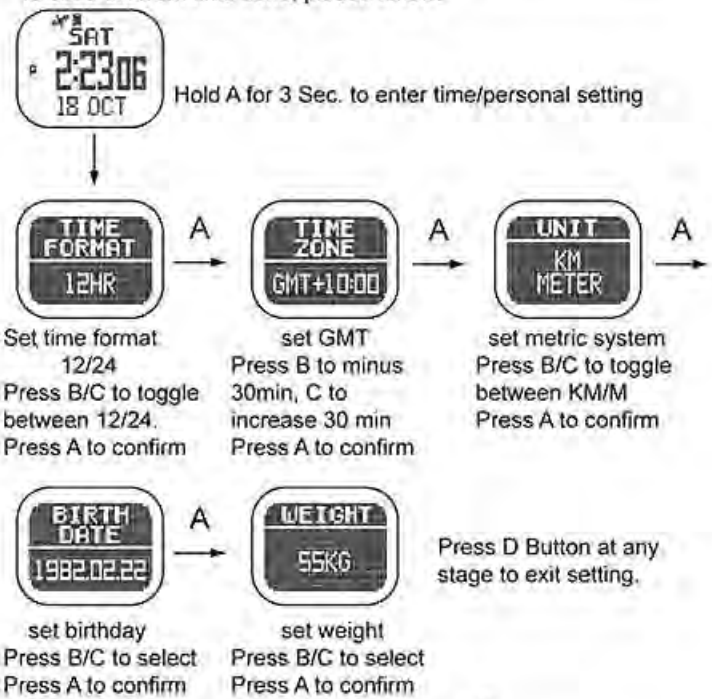
After the watch is fully charged, remove the USB connector. The watch enters into time mode.

During satellite reception (see item ***GPS Reception***) time and date are set automatically.

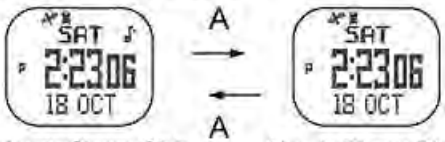
Setting the time manually is not possible.

Notice: Please note that the GPS signal sends Greenwich Mean Time (GMT), and it may be necessary to set a different time zone.

To set a different time zone, please follow.

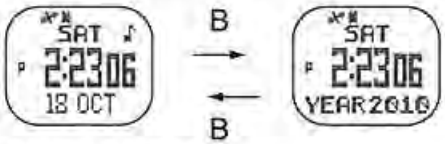


HOURLY CHIME



Hourly Chime OFF Hourly Chime ON

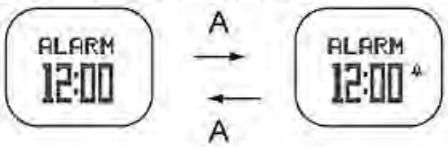
Toggle between Date/Year Display



Alarm Setting

Press B to decrease digit by 1
Press C to increase digit by 1
Press A to confirm
Press D to save and leave alarm setting

TURN ALARM ON/OFF

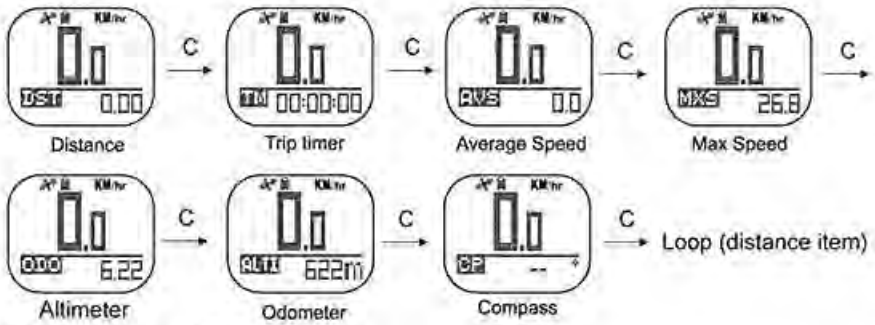


Remark : Alarm sound for 1 minute, press any key to stop

SPEED MODE

Press the **MODE** button until you are in the speed mode, as shown in the following readout (graphics on the left).

By pressing the **SELECT** button, you can change the readout in the lower part of the display as follows:

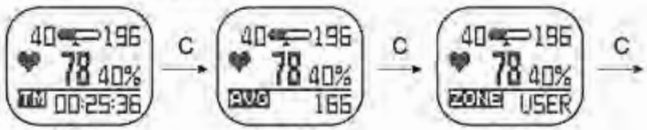


- DST = Distance Hold A to reset 0
- TM = Training time (displays the time moving, i.e. during standstill the time is stopped, if the movement continues, the time continues as well. GPS reception provided!) Hold A to reset 0
- AVS = Average speed Hold A to reset 0
- MXS = Maximum speed Hold A to reset 0
- ODO = Total distance Hold A to reset 0
- ALTI = Current Altitude
- CP = Compass (an arrow shows the direction (N, E, W or S) in which you are moving)
  N = North E = East W = West S = South

HEART RATE MODE

Press the **MODE** button until you are in the heart rate mode, as shown in the following readout(graphics on the left).

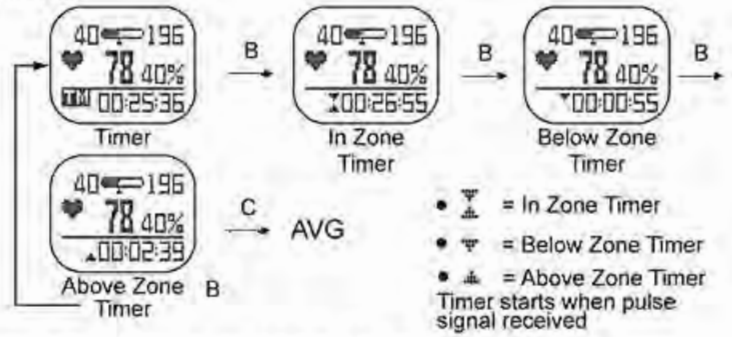
By pressing the **SELECT** button, you can change the readout in the lower part of the display as follows:



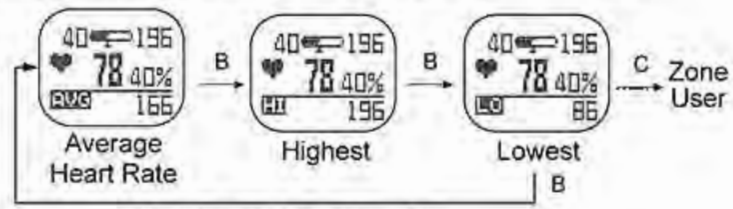
- TM = Training time (displays the time training with chest belt) Hold A to reset 0
- AVG = Average heart rate Hold A to reset
- ZONE = Exercise zone
- CAL = Calorie Burnt Hold A to reset 0
- SPD = Current Speed

HEART RATE SUBMODE(TIMER)

By pressing the RECALL button(B) you can change the readout in the lower part of the display as follows:



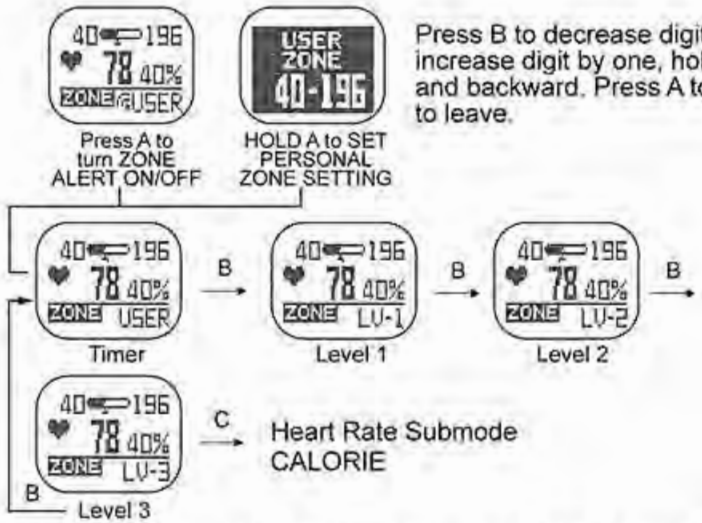
HEART RATE SUBMODE (AVG)



Hold button A to reset data

HEART RATE SUBMODE ZONE

By pressing button B you can change the readout in the lower part of the display as follows:



KNOW YOUR LIMITS AND DETERMINE YOUR PERSONAL EXERCISE ZONE

Exercise zones are established by setting Upper and Lower Heart Rate Limits. These limits constitute a certain percentage of your Maximum Heart Rate (MHR).

MHR = 220-(Your age)
e.g. Age : 20
MHR : 220 - 20 = 200
For instance, the current heart rate is 150, then 75% will be shown.

You may already know your MHR if you are an avid athlete or if you have already taken a Max. HeartRate test. If not, the following formula will help you to make an educated guess :

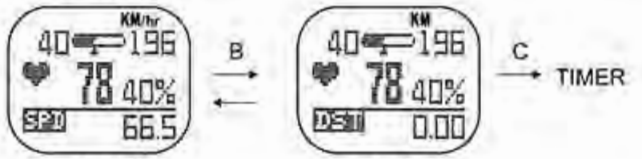
HEART RATE SUBMODE (CALORIE/FAT BURNT)

By pressing the RECALL button(B) you can change the readout in the lower part of the display as follows:

Hold Button A to reset 0

HEART RATE SUBMODE (SPEED MODE)

By pressing the RECALL button(B) you can change the readout in the lower part of the display as follows:



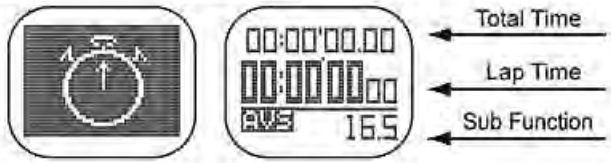
Speed and Distance only works when GPS signal is received.

Training Time

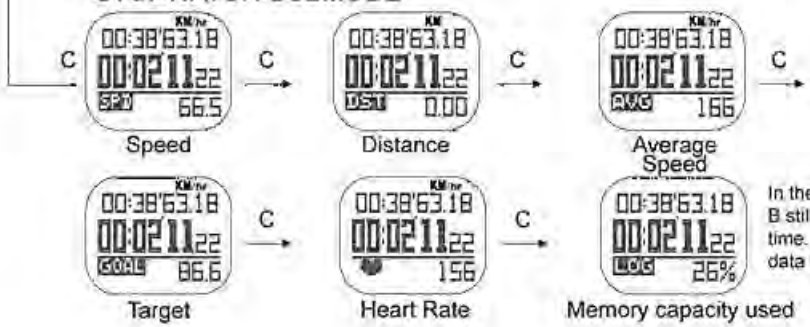
Press the **C** button in the heart rate mode until TIMER is shown.
The training time is shown in the lower segment of the display, in the middle the heart rate.
The display of the training time is activated automatically when a heart rate signal is received. The training time shows the total time you have worn the chest belt and the heart rate was received by the heart rate monitor watch, even if you switch to another mode from the heart rate mode.
If you press the **A** button shortly, you can choose between the following displays:
TIMER= The total training time
( )=The time while you were within the chosen training zone
( )=The time while you were outside of the chosen training zone
( )=The time while you were below the chosen training zone

STOPWATCH MODE

Press the D button until you are in the stopwatch mode, as shown by the following readout:



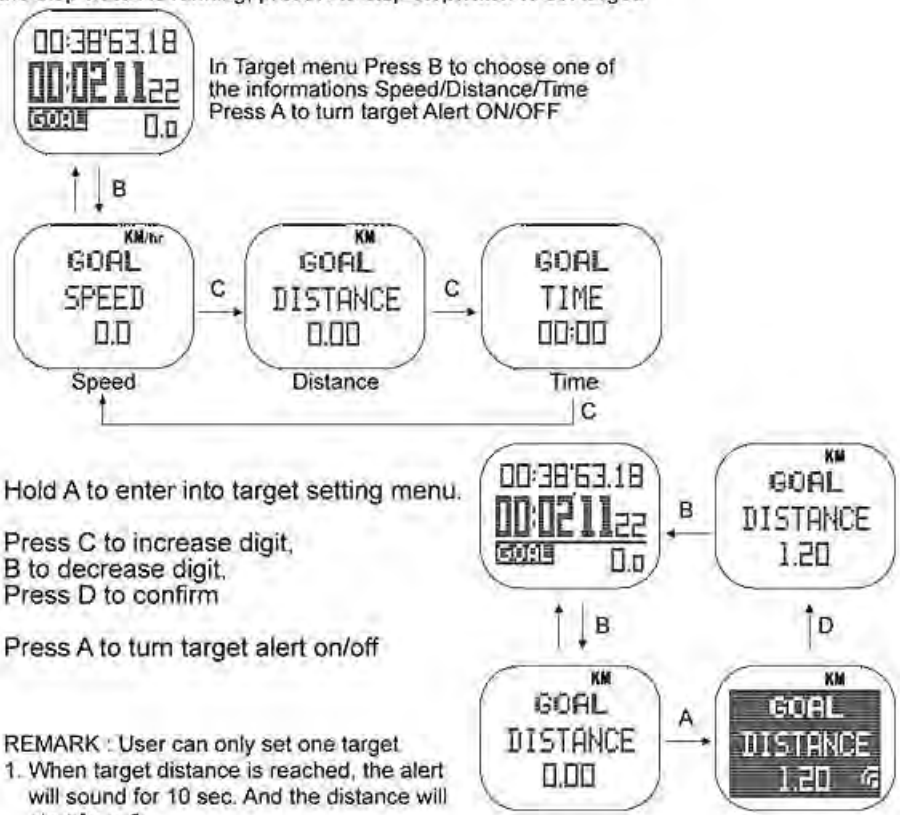
STOPWATCH SUBMODE



In the submode, press B still able to record lap time. Hold A to reset data back to 0

SETTING TARGET

If the stop watch is running, press A to stop stopwatch to set target.



REMARK : User can only set one target

1. When target distance is reached, the alert will sound for 10 sec. And the distance will start from 0
2. The watch will beep if target speed is not reached.
3. When target time is reached, the alert will sound for 10 sec. And the timer will start from 0

Recording Data

Notice:
Please note that the GPS and pulse data are saved in the GPS device only during on going timekeeping.
You can change to all modes during timekeeping, the recording of GPS and pulse data continues until you stop the timekeeping in the stopwatch mode or the memory is full.

1. Press the ST/SP/SET button to start timekeeping. During ongoing timekeeping the GPS and pulse data are recorded.
   Maximum memory: 350 hours.
2. To stop the timekeeping and also the recording of GPS and pulse data, press the ST/SP/SET button again.
3. To continue the timekeeping and therefore also the recording of GPS and pulse data, press the ST/SP/SET button again, to stop again the ST/SP/SET button.
4. To reset the timekeeping and save the recording of the GPS and pulse data, press the SELECT button for about 3 seconds during stopped timekeeping. Your run or ride is now saved as one recording in the GPS device.
5. If you start the timekeeping again with the ST/SP/SET button again, a second recording is started, etc..

Deleting the Memory:

If the timekeeping is at zero, press the **ST/SP/SET** button for about 5 seconds.

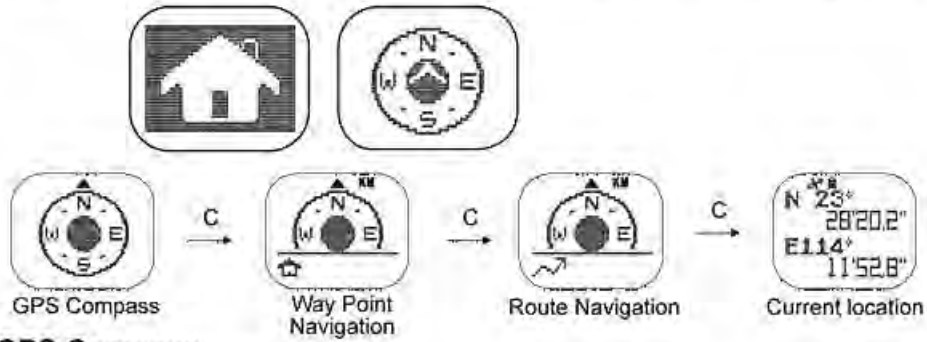
CLEAR ALL STORE DATA IN WATCH

In Stopwatch memory screen, Hold SET for 5 seconds, clears all memory

To download the saved recordings follow item **Transfer of GPS data to a Computer.**

Compass Mode (Function only with Satellite Signal)

Press the **MODE** button until you are in the compass mode, as shown in the following readout:



GPS Compass | Way Point Navigation | Route Navigation | Current location

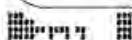
GPS Compass

The watch shows user's travelling direction

Middle arrow shows Home direction | Way Point Navigation

The watch can memorize 16 point of interest(1 home location and 15 way points) To set way point:

At the point of interest, go to current location screen. Hold A to save as way point.
Press B or C to select which icon to set Flag 1... Flag 15 or home.
Then Press A to confirm.
It is not necessary to set point of interest from 1 to 15, the user can choose to set in any orders.



Flag 01...Flag 15

Home

Compass Mode (Functions only with Satellite Signal)

Navigating through way point:
In way point navigation mode, press B to show way point data, press C to choose the desired way point.
After selection, press B to go back to way point navigation mode. The arrow in the middle shows the direction of destination, lower digit shows the distance from the destination

REMARK:
In the beginning or when the user is not moving, the arrow points forward. When user starts to move, the arrow will point to the direction of the point of interest

ROUTE NAVIGATION

Download route from computer
(Please see appendix how to download route).
At the starting point of the route, turn GPS on.
Middle arrow shows the direction on next way point, below digit shows the distance remaining to the route destiration.

RETURN HOME

Before your journey, Start the stopwatch to start recording. When you want to turn back, use Return Home function. Press B, then press C to show home location hold A to go back to the Return Home function and start navigation. Follow the arrow to go back.

Download route from computer works on Route Navigation mode only Route record by watch can only use for return home function
If you want to use the route recorded by the watch in route navigation mode, you need to first download the route to the computer and re-install the route into the watch.

Display of Position:
When the GPS device is connected to the satellites, the latitude and longitude for every position is displayed. An **N** is added to the latitude (north of the equator) or **S** (south of the equator).
A **W** is added to the longitude (west of the prime meridian) or
E (east of the prime meridian).

N = North = North ➡ **northern latitude**
S = South = South ➡ **southern latitude**
E = East = East ➡ **eastern longitude**
W = West = West ➡ **western longitude**

The position is displayed in the common format degrees ° minutes ' seconds "
1 degree is subdivided into 60 minutes, one minute is 60 seconds.
Example:
N 48° 8' 41.4"
E 14° 0' 45.0"
= 48 degrees 8 minutes 41.4 seconds northern latitude
14 degrees 0 minutes 45.0 seconds eastern longitude

Note: During Route Navigation or Return Home, You must stay in Route Navigation Submode otherwise the GPS device will not keep you tracking along the route.

LIGHT FUNCTION

By pressing the **SATELLITE** button, the display is illuminated for about 3 seconds. Please note constant illumination of the display consumes more battery, which results in a shorter lifespan of the battery.

A battery charge is necessary, If the display gets weaker or it fades totally. If the battery is weak, the low battery symbol is displayed.

FAQ/TROUBLESHOOTING

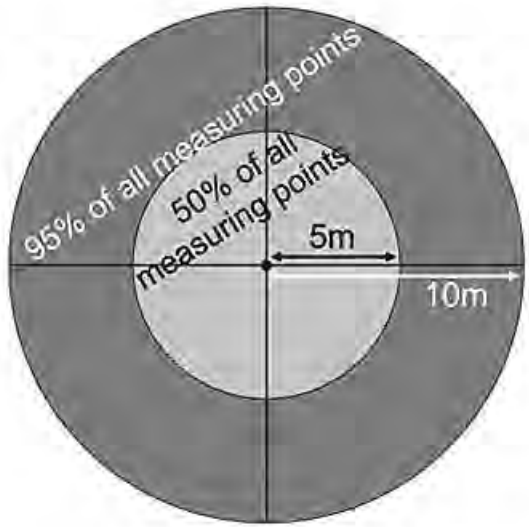
No Satellite Reception

We recommend placing the GPS sport computer in an open area with free view of the sky some minutes before you start your training. Please see notes as stated in "GPS Reception".

TECHNICAL DATA

Memory for GPS data:	350 hours
Accuracy GPS:	5 metres

The indication of the accuracy is derived from the so called 50% CEP (Circular Error Probability). This means that 50% of all measurements during very good satellite reception are within the stated radius of 5m. However this also means that half of the measured points are outsides this radius.
In this case 95% of all measured points a within a circle of twice the stated radius. This means that during very good satellite reception almost all points are within a circle of 10m radius. The determined position is in the worst case practically always accurate to about 10m.



Accuracy of Positioning

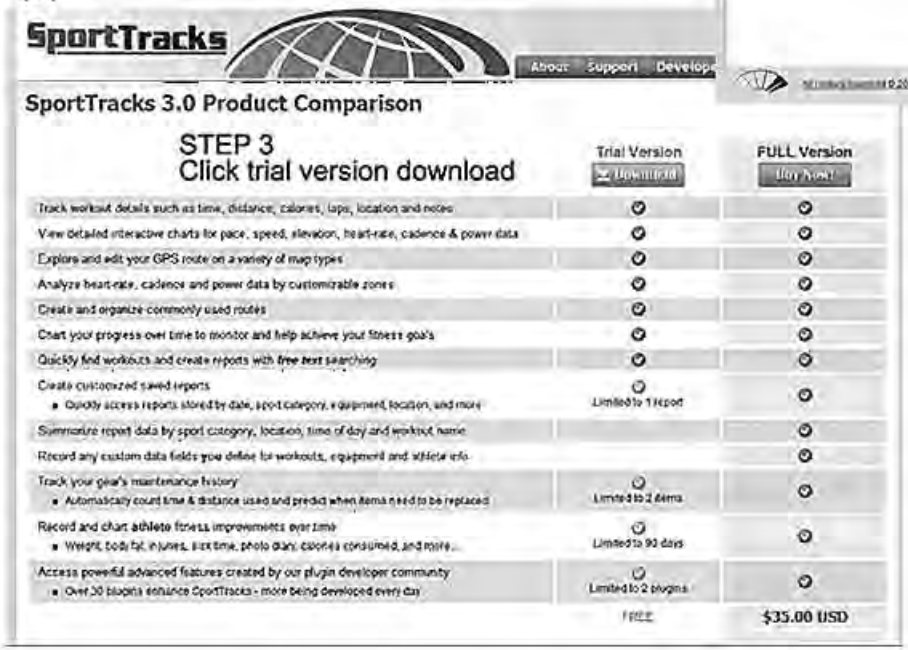
Procedure to install the sporttrack software.

(1) Downloading the Sport Tracks Step-1 go to site
http://www.zonefivesoftware.com/SportTracks/

SportTracks
go further • go faster • get SportTracks 3
GPS-integrated workout logging software for Windows PCs
Already a SportTracks 2.1 user?
Features
Tech Specs

(2)

(3)


SportTracks
SportTracks 3.0 Product Comparison
STEP 3
Click trial version download
Trial Version
FULL Version
Track workout details such as time, distance, calories, laps, location and notes
View detailed interactive charts for pace, speed, elevation, heart-rate, cadence & power data
Explore and edit your GPS route on a variety of map types
Analyze heart-rate, cadence and power data by customizable zones
Create and organize commonly used routes
Chart your progress over time to monitor and help achieve your fitness goals
Quickly find workouts and create reports with free text searching
Create customized saved reports
Limited to 1 report
Summarize report data by sport category, location, time of day and workout name
Record any custom data fields you define for workouts, equipment and athlete info
Track your gear's maintenance history
Limited to 2 items
Record and chart athlete fitness improvements over time
Limited to 90 days
Access powerful advanced features created by our plugin developer community
Limited to 2 plugins
FREE
$35.00 USD

(4)

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Downloading...
Thank you for downloading the trial version of SportTracks. Your download will begin shortly, if it doesn't click here.
Now that you have downloaded SportTracks, head over to our support area for information on getting the most out of the software.
We know after you try out SportTracks, you'll want to get access to advanced features only available in the FULL version.
It's easy - just click the big green "Upgrade Now" button from SportTracks - located below the calendar on the main screen. This will take you to our store where you can buy the upgrade and activate your copy of SportTracks 3.0.
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English | Deutsch | français | Español

SportTracks 3.0 Setup
SportTracks
Welcome to the SportTracks 3.0 Setup Wizard
The Setup Wizard will install SportTracks 3.0 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
STEP 5
Click NEXT
Back
Next
Cancel

(5)

Trial version of SportTrack 3.0 has no time limited. You may enjoy the trial version for as long as you like.
Press Later to enter into the software.
If you want to use the full version, please press Upgrade Now, you can enjoy the full version for a fee.

(6)

Installation of software, driver and plugin, Please follow the follow procedure to install driver.

Install software, driver and plugin.

Insert the diskette into the disk drive to install the driver and plugin.

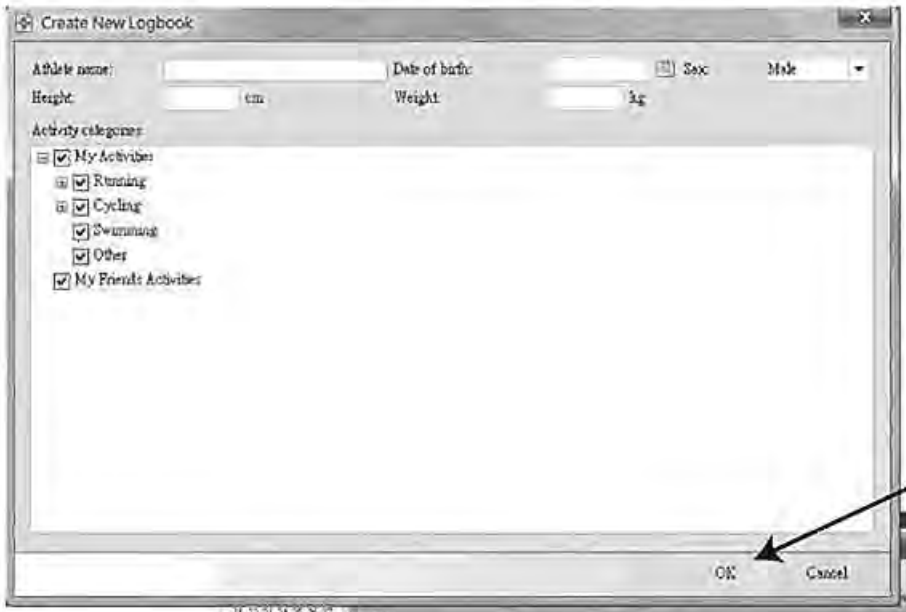
(1)

(2)

(3)

- The required drivers are installed now.
- Now you can unplug the docking station with the GPS device and remove the installation CD from the drive.
  Every time you connect the USB cable to the computer, the operating system will automatically recognize your GPS device.

SPORTTRACKS APPLICATION (Import GPS and Pulse date from GPS device)

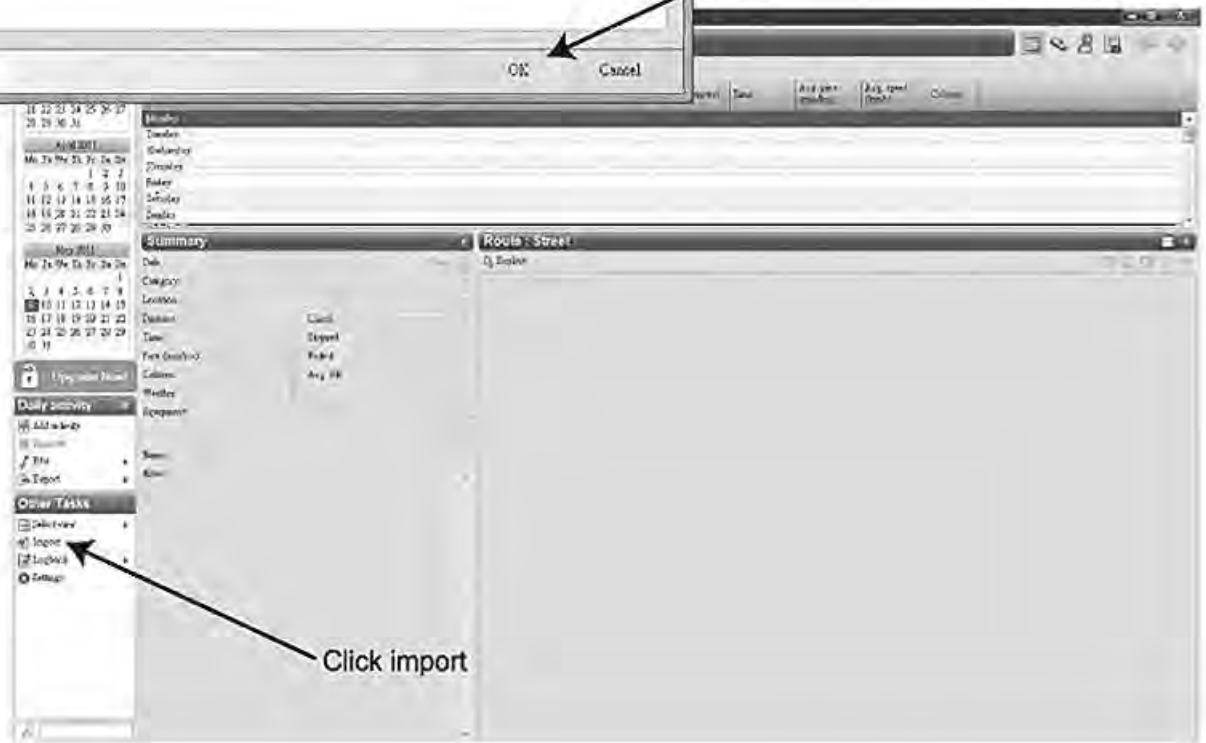


(1)

Import data from the watch
If user want to have activity record into computer.
Turn on stopwatch before the activity, All data will be stored into the watch. After a day of exercise, plug the watch into computer.
Follow procedure here.

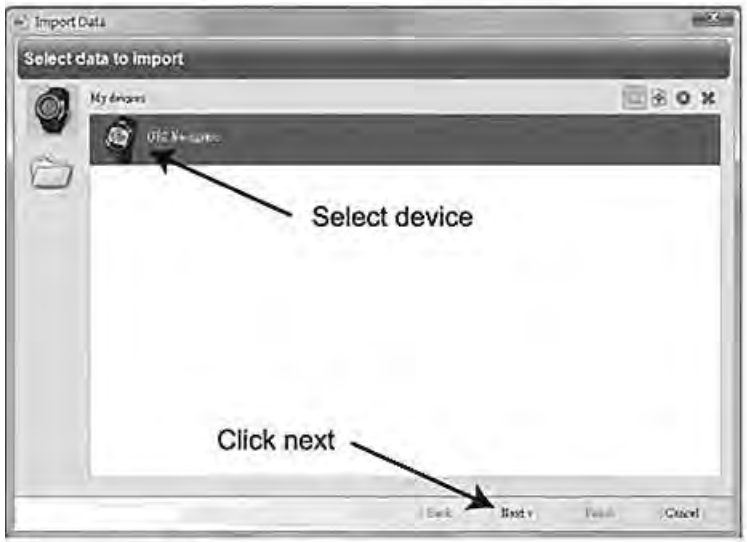
Click OK

(2)



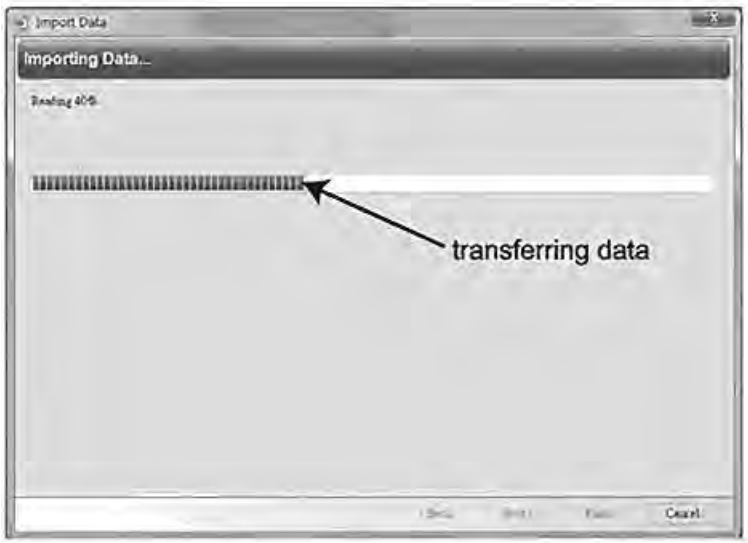
Click import

(3)

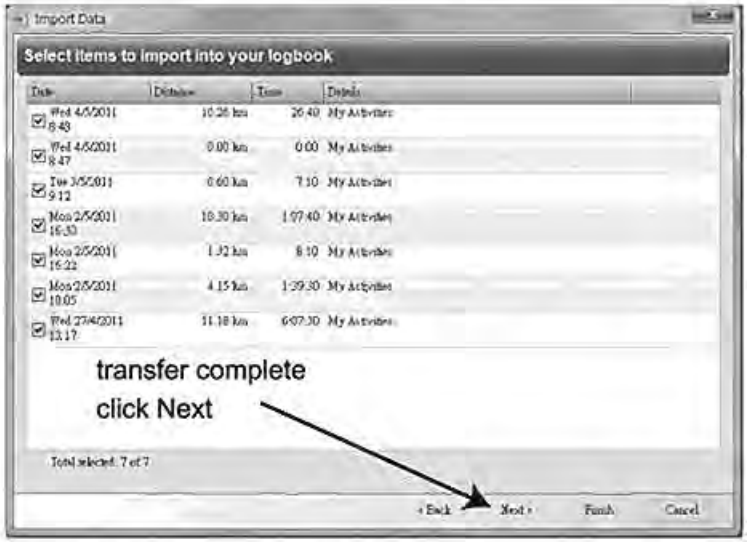


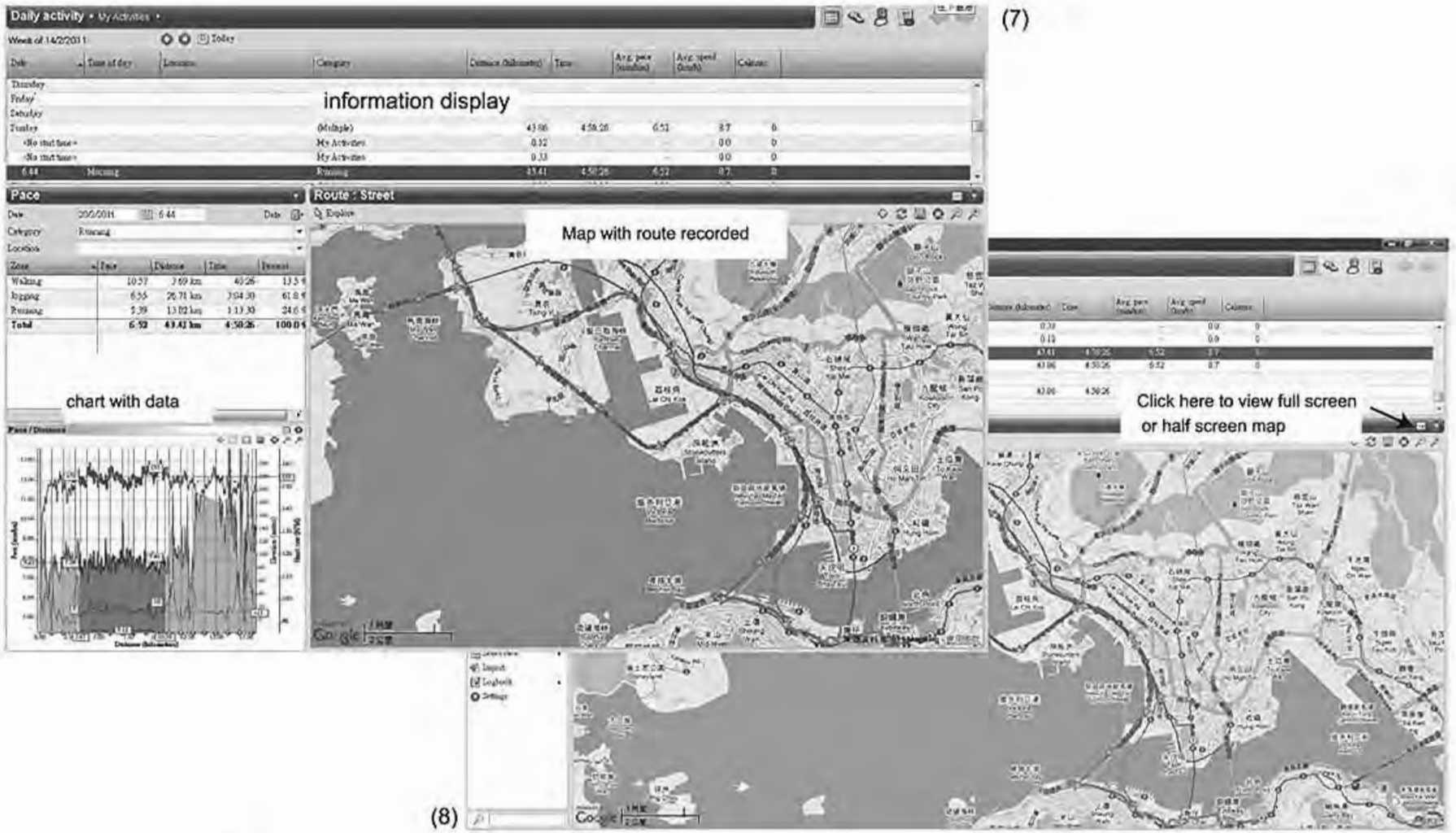
Choose GPS navigator
Make sure the watch is connected to the computer

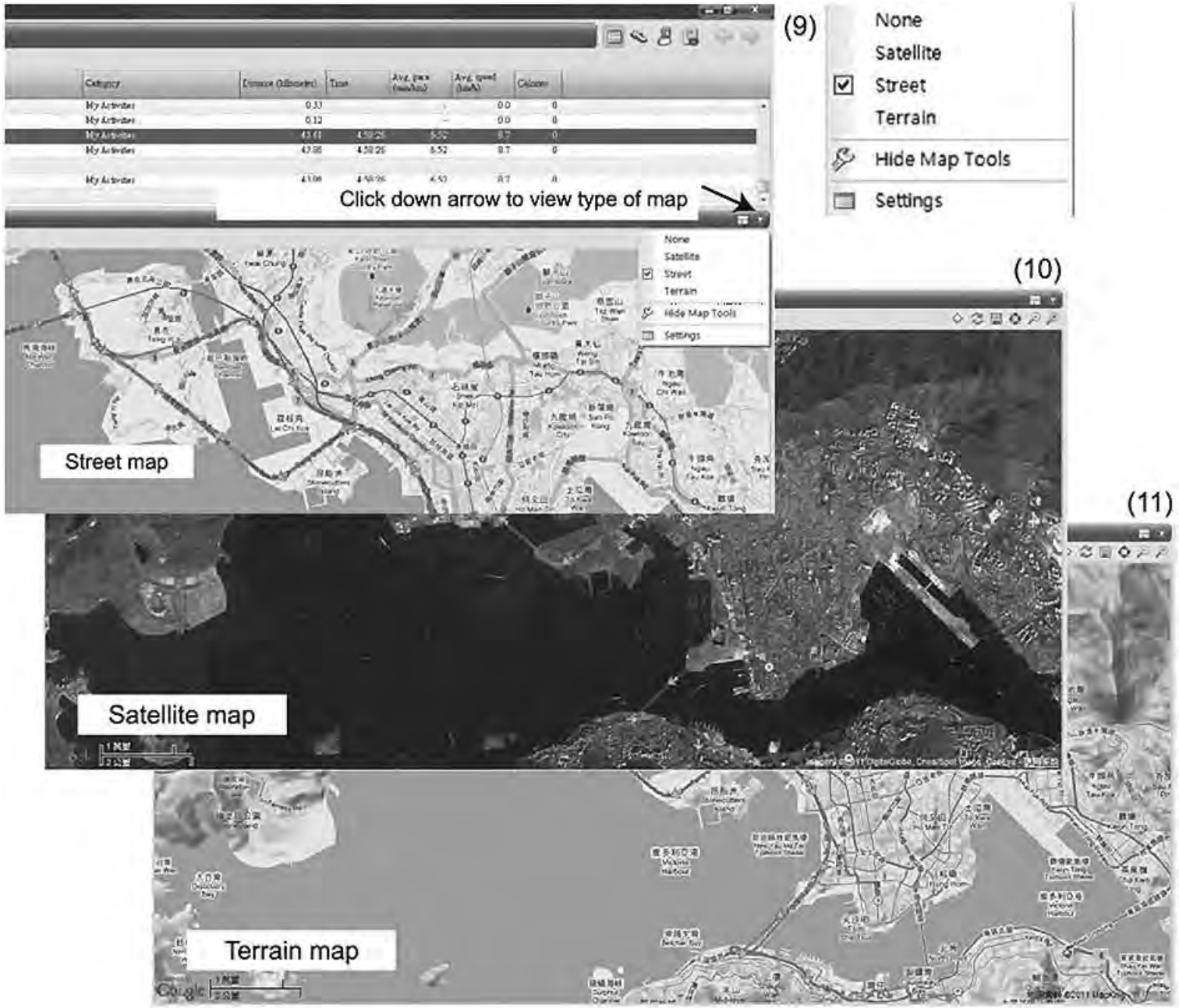
(5)

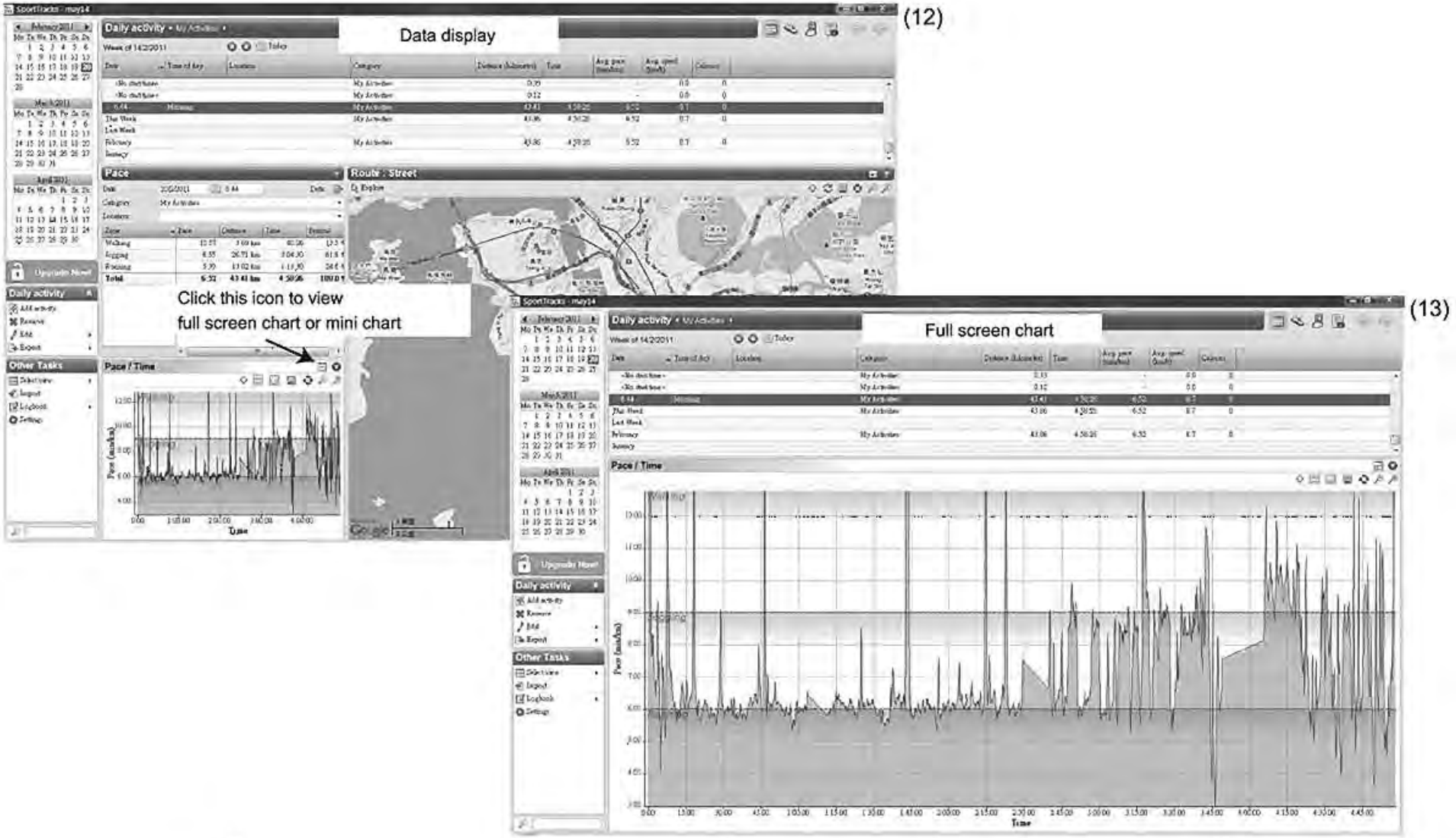


(6)




Daily activity
information display
Pace
chart with data
Route : Street
Map with route recorded
(7)
Click here to view full screen
or half screen map
(8)


(9)
None
Satellite
Street
Terrain
Hide Map Tools
Settings
Click down arrow to view type of map
(10)
Street map
Satellite map
(11)
Terrain map

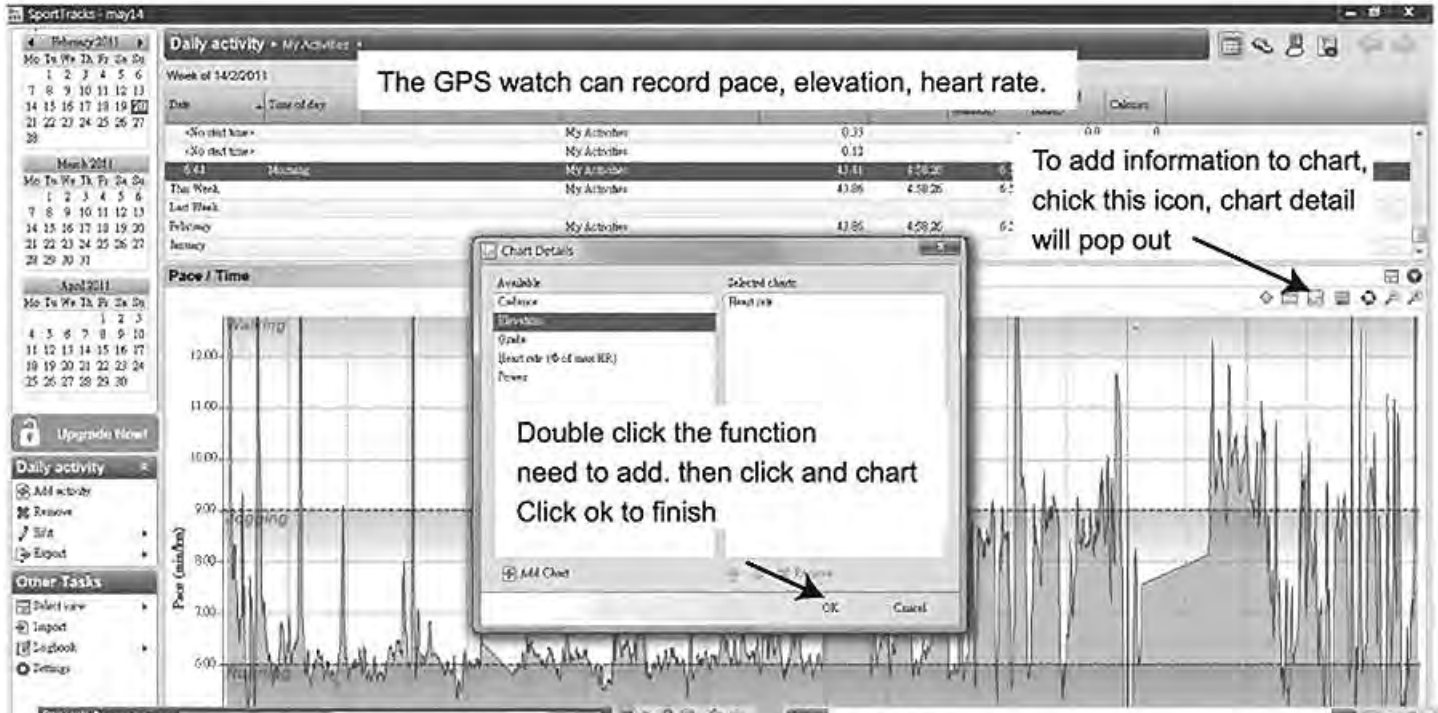

Data display
(12)
Click this icon to view
full screen chart or mini chart
Full screen chart
(13)
Pace / Time
Route : Street

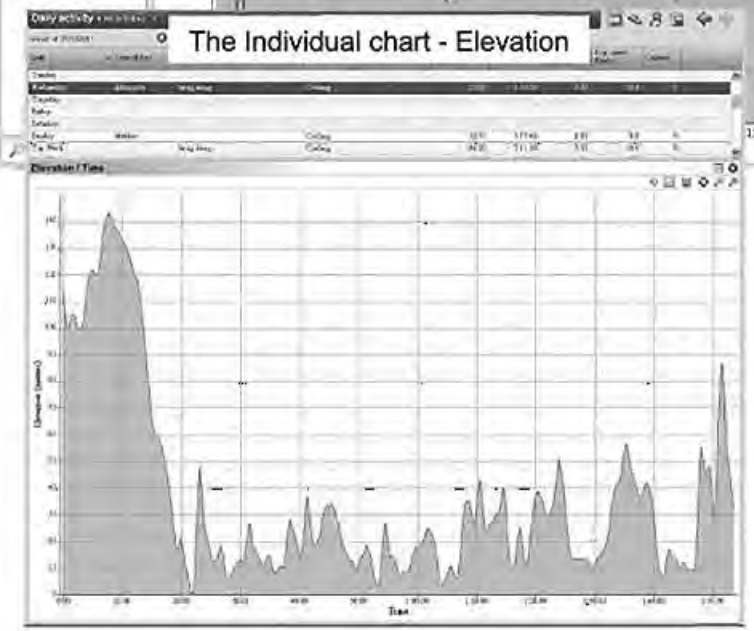
-15-

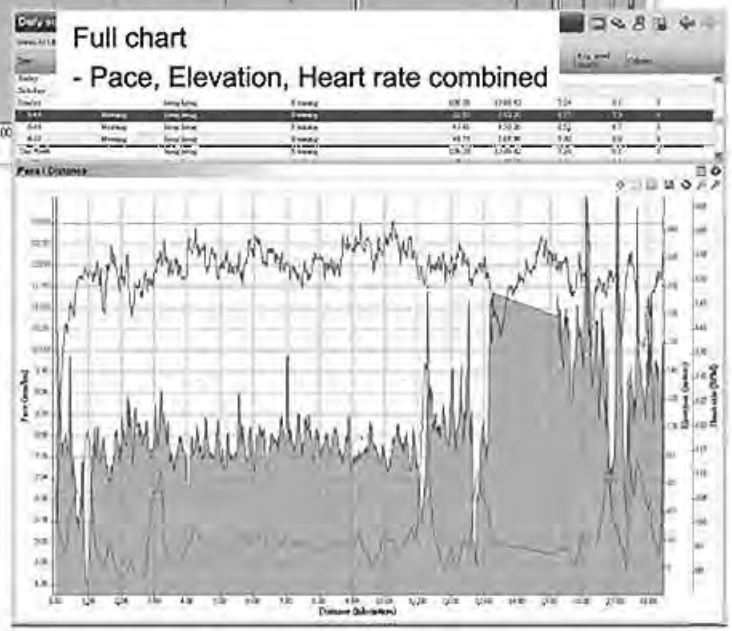
-16-

-17-

(14)


The GPS watch can record pace, elevation, heart rate.
To add information to chart, chick this icon, chart detail will pop out
Double click the function need to add. then click and chart
Click ok to finish
Pace / Time


The Individual chart - Elevation


Full chart
- Pace, Elevation, Heart rate combined

-18-

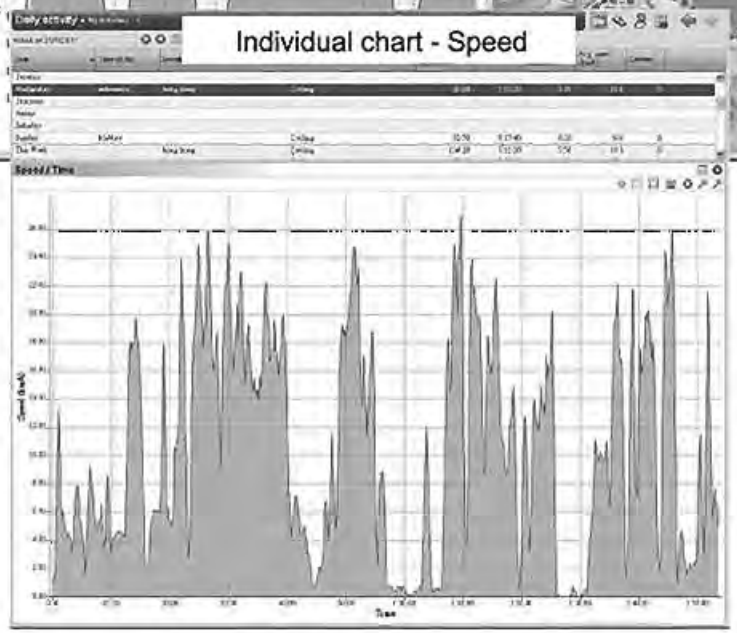
(15)

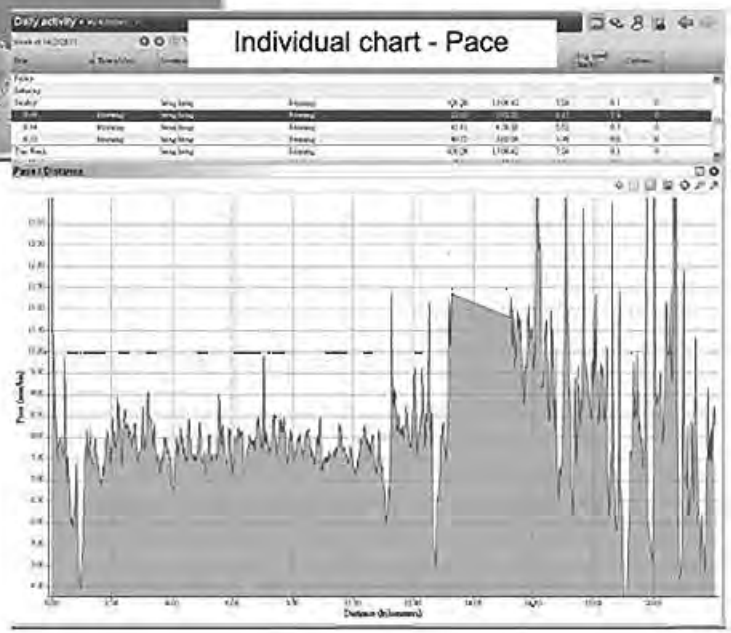
-19-

(16)

Daily activity
Workout
Route : Terrain
Individual chart
- Heart rate
Heart rate / Distance
Zone 5
Zone 4
Zone 3

(17)

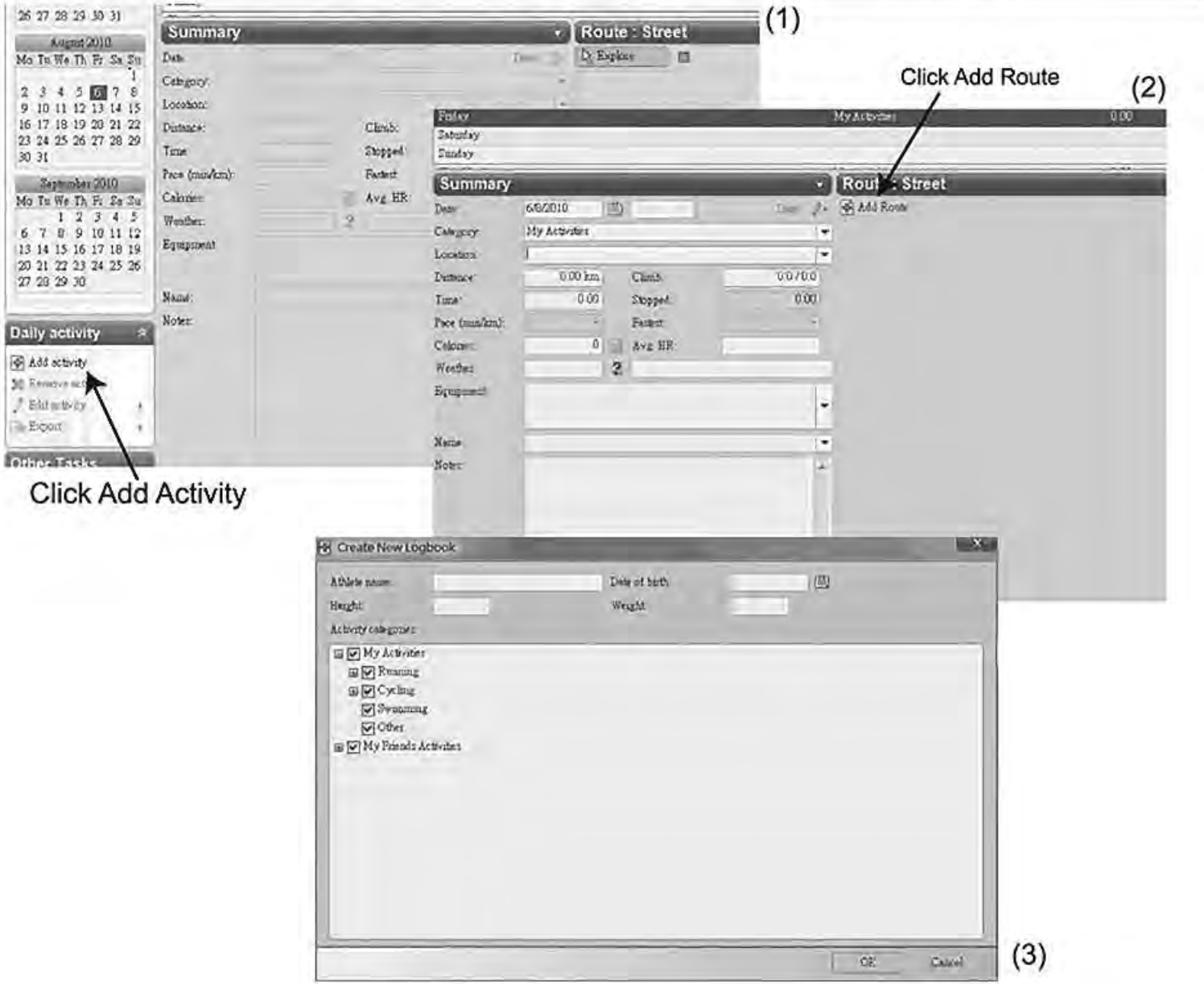

Individual chart - Speed
Speed / Time


Individual chart - Pace
Pace / Distance

(18)

(19)

SPORTTRACKS APPLICATION (Export Route to GPS DEVICE)

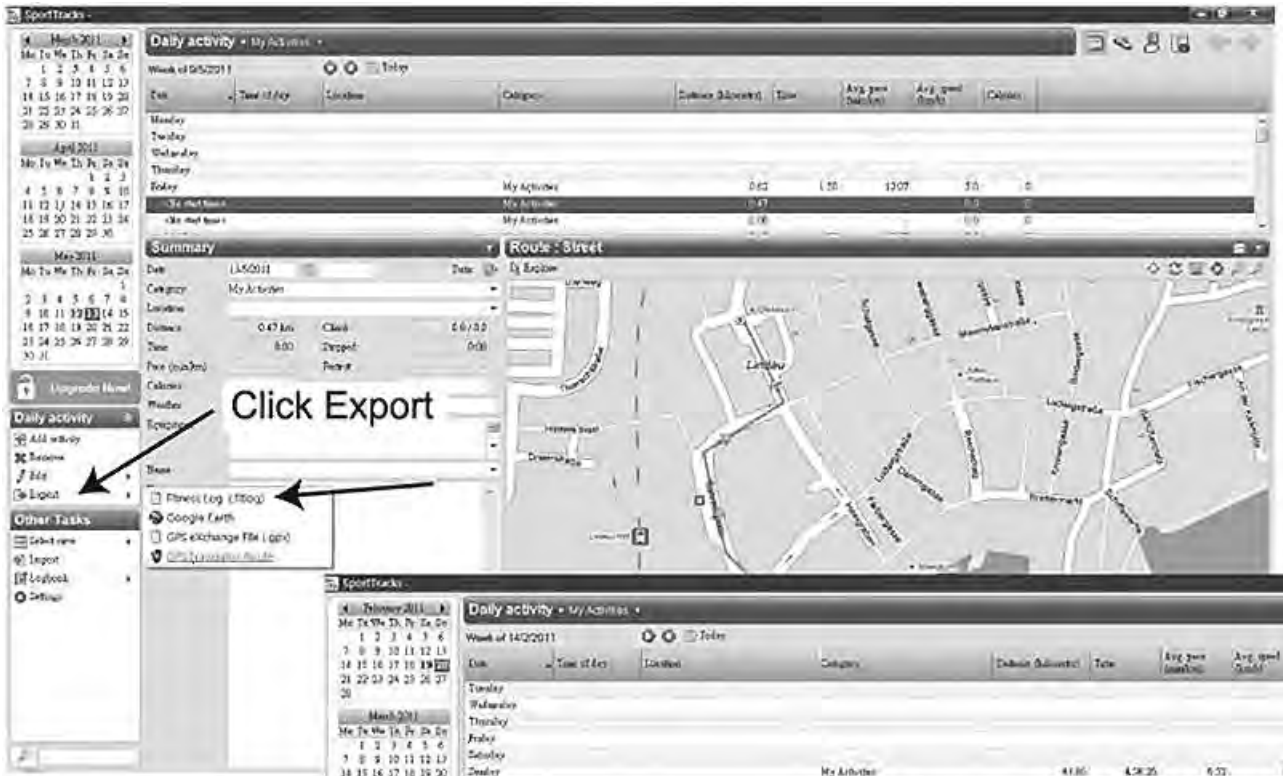


(4)

Move the mouse pointer to the starting position, click the left button, the starting point is marked. Move the pointer to the next turn, a straight line will be created, click the left button on the turning point, then follow the same procedure to reach your destination.

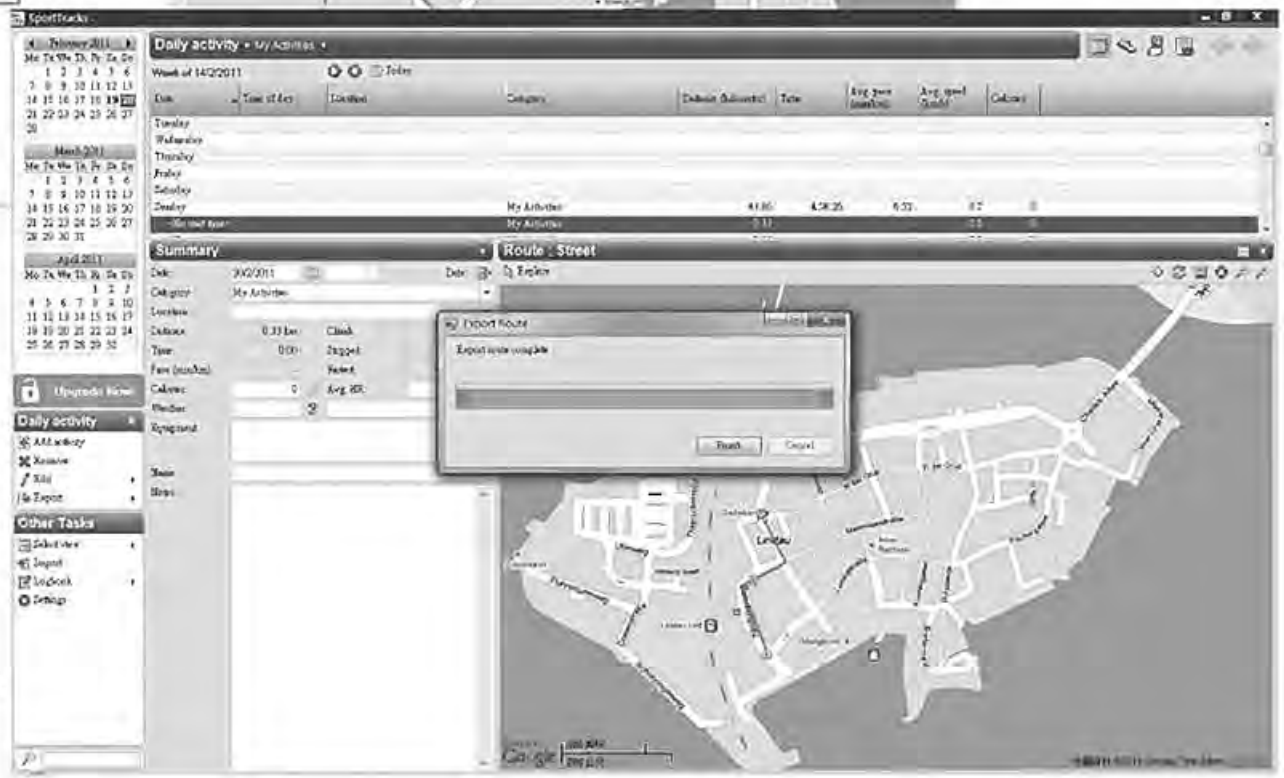
(5)

To finish the setting of the route, click explore



(6)

Then Click GPS Navigator Export. Make sure your GPS watch is connected to the Computer thorough the USB cable Clip.



(7)

When Arriving at the starting point. Turn GPS on to Acquire GPS signal. The watch will guide you to the destination that was preset.

- Route created on sporttrack and export to watch can only be as navigation from starting point to destination.
- Route recorded in the watch can only be use as return home, navigation from current location back to starting point.
- To use route record by the watch for navigation, first import the route to the computer then export the route back to the watch, this route will be the same as route created on sporttrack.